JCIDS Overview

10 May 2005

Joint Staff / J-8
Capabilities and Acquisition Division

Previous Requirements and Acquisition Process

- As a rule, CONOPs and requirements were Service-focused
- Analysis was primarily threat-based
- Process lacked a construct for Joint analysis "up-front"
- Systems integration tended to be forced in at end game
- Duplication existed, particularly in smaller programs
- Spiral acquisition was not well institutionalized
- Joint warfighting needs were not prioritized

Capability Based Methodology

Requirements Generation System (RGS)- ~30 years of experiences

Partially Interoperable

Late Integration

Services Build Systems

Service Experimentation, Assessment & Analysis, Validation, Selection of Solutions

Service Unique Strategic Visions and Requirements

Joint Capabilities Integration and Development System (JCIDS)- 1 year old

Strategic Direction

Joint Warfighting Concept Development

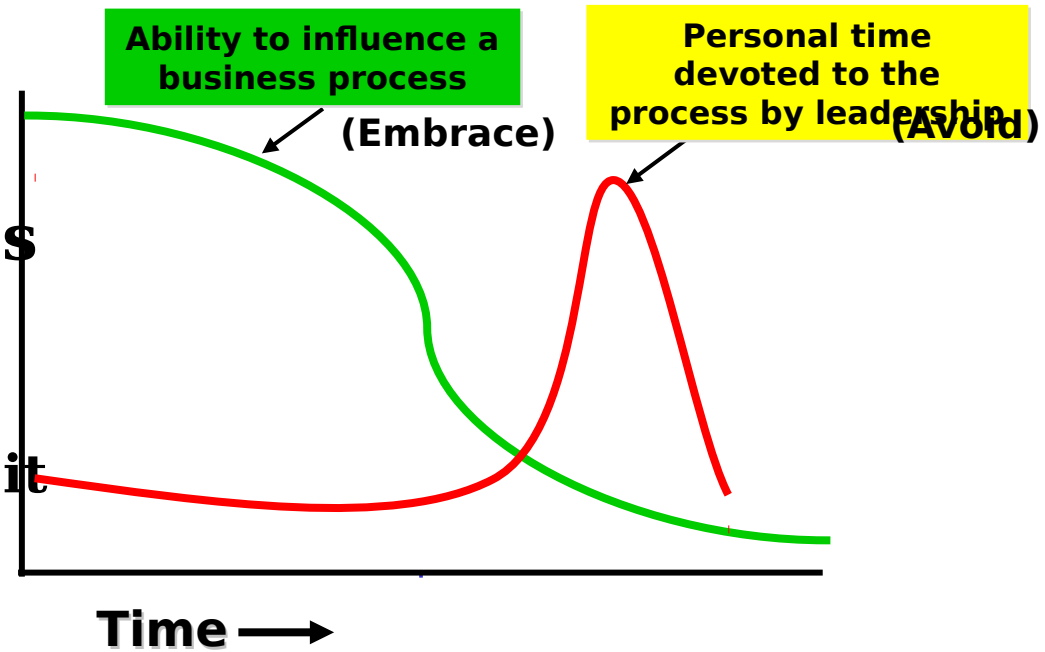
Joint Experimentation, Assessment & Analysis, Validation, Selection of Solutions

Services, COCOMs

Joint Capabilities

JROC Impact using JCIDS

- **Desired Attributes of DOD Decision Process**
  - **Responsive**
  - **Flat**
  - **Involve leaders "when it counts"**
  - **Agree on facts**
- **New 3170.01D**
  - **Top down**
  - **Born "Joint"**
  - **Tees up issues with wider input earlier in the process**

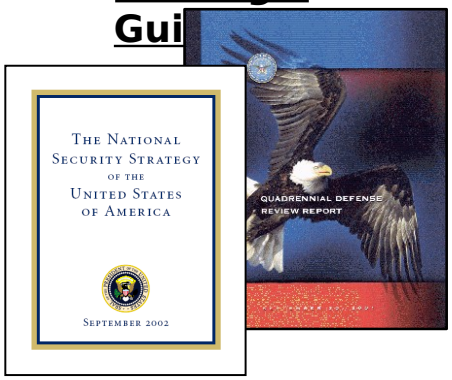


Action Agent:

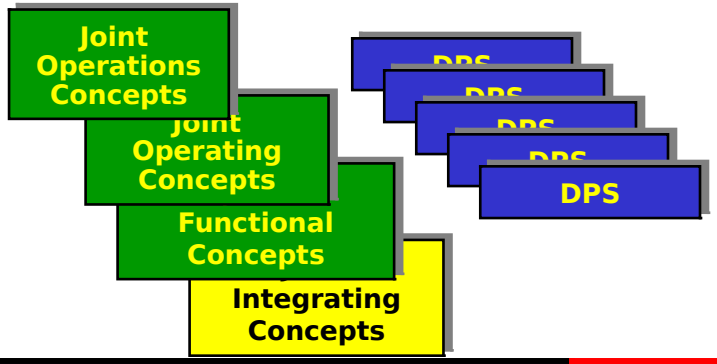
Functional Capabilities Boards

JCIDS Evolution – Concepts to Capabilities

Strategic Gui



Joint Concepts and MSFD scenarios

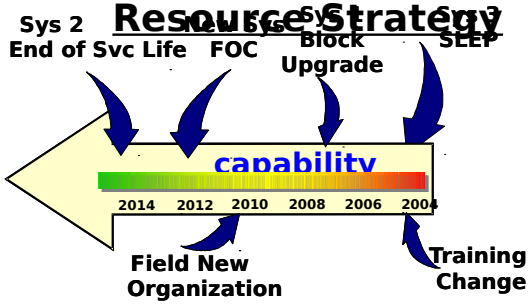


First order assessment using operational tasks and force elements

Detect	Track	ID	Engage	Assess

SecDef | **Joint Chiefs of Staff** | **Joint Requirements Oversight Coun**

Capability Roadmap & Resource Strategy



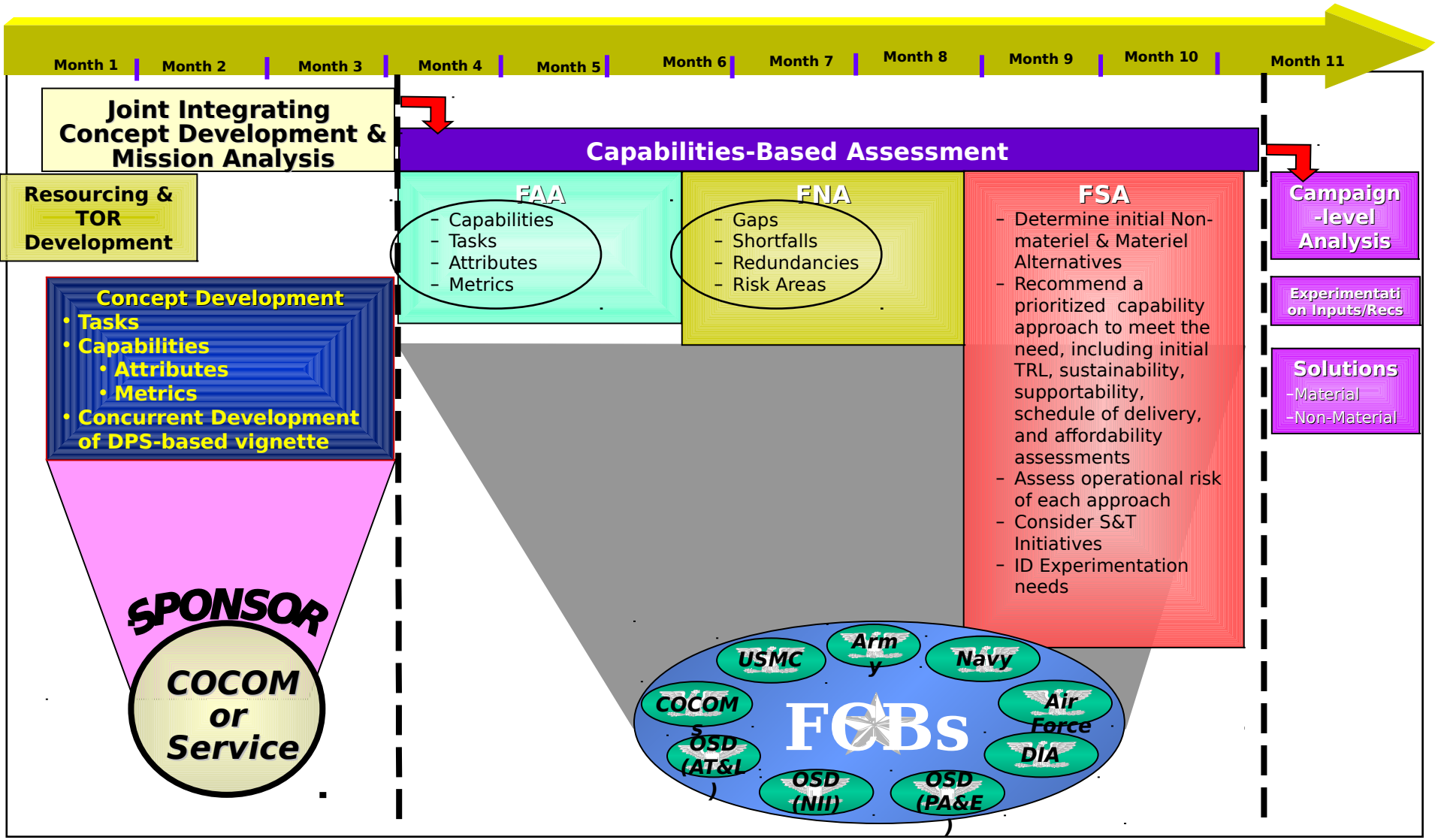
Provide DOTMLPF Solutions

Initial Capabilities Document

Operational Modeling to identify gaps and excesses

Secretary of Defense | **Services** | **nt Requirements Oversight Counc**

The JROC Capability-Based Assessment Process



DOD End-to-End Capabilities, Acquisition, and Test Process

DAB Capability Area Reviews (CARs)

- Strategic Planning Guidance
- Defense Planning Scenarios
- Family of Concepts
- Transform a-tion

Capabilities Based Assessment

- Capabilities
- Tasks
- Attributes
- Metrics
- Gaps
- Shortfalls
- Redundancies
- Risk areas
- Non-materiel solutions
- Materiel solutions
- S+T initiatives
- Experimentation

- Refined concept
- Analysis of Alternatives
- Technology Development Strategy
- SoS System Engineering

- Affordable military-useful increment
- Technology demonstrated
- Initial KPPs
- SEP

- Revise KPPs
- Detailed design
- System integration
- DT&E

- LRIP
- IOT&E

activity

Select a Joint Integrating Concept | Develop Concept | Functional Area Analysis | *Functional Needs Analysis | *Functional Solutions Analysis | ICD | Analysis of Alternatives | Technology Development | CDD | System Development | CPD | Production

Concept Decision | MS "A" | MS "B" | MS "C"

Capability Based Assessment

FCB

OSD (AT&L)-led Capability Roadmaps

Evolutionary or Spiral Development

OSD/JCS | COCOM | Services

oversight

SecDef | Joint Chiefs of Staff & Joint Requirements Oversight Council | Joint Staff / OSD (OSD) | OSD (AT&L, PA&E), Services and OSD (DOT&E) -- Joint Staff (JROC)

*"as is" Roadmaps

Policy | Capabilities Definition | Concept Refinement | Acquisition and Test

New JCIDS Documents

- **Joint Capabilities Document (JCD)**
  - **Identifies capability gaps or other deficiencies**
  - **Supports development of one or more ICDs**
  - **Developed primarily by COCOMs and FCBs**
  - **Can be developed by a sponsor under certain conditions**
  - **Updated as required**
- **Joint DOTMLPF Change Recommendation (DCR)**
  - **Identifies an approach to filling a capability gap through non-materiel changes**
  - **Developed primarily by COCOMs**

Joint Capabilities Document (JCD)

Purpose of the JCD:

- **Describes capability gaps as determined by the functional area and needs analyses**
- **Identifies the relative importance/priority of the gaps**
  - **Highlights capability gaps that are important enough to justify pursuing a solution**
  - **Identifies gaps where risk may be taken`**

When is a JCD required?

- **COCOM generates based on emerging/changing missions or identified capability gaps**
- **FCBs generate based on the results of a JIC**
- **Sponsors may generate when pre-**

JCIDS Gatekeeper

- **Perform an initial review of all JCIDS proposals**
  - **Support provided by JFCOM, J6, J7, J8, FCB WGs**
- **The Gatekeeper will determine:**
  - **Joint Potential Designator**
    - **JROC Interest**
    - **Joint Integration**
    - **Independent**
  - **Lead and supporting Functional Capabilities Boards**

Chartered FCBs

JROC:

* Charters FCBs
* Directs FCB efforts
* Identifies the

FCBs:

* Milestone Decision Authority Co-chairs
* Bring all stakeholders together for common review and issue resolution
* Prioritize/assess ca and proposals

Command & Control	Battlespace Awareness	Focused Logistics	Force Management
Maj Gen Simpson JFCOM J-8	Brig Gen Dettmer JS J-2	RDML Harnitchek JS J-4	Ms Disbrow (SES) JS J-8

Force Protection	Force Application	Net-Centric	Joint Training
Dr. Fridling (SES) JS J-8	Maj Gen Scott JS J-8	RADM Brown JS J-6	Maj Gen Catton JS J-7 Tri-chair

Functional Capabilities Board

<u>Responsibilities</u>:

- **Ensure new capabilities are conceived and developed in joint warfighting context**
- **Ensure JCIDS proposals are consistent with integrated joint force**
- **Organize, analyze & prioritize capabilities proposals**
- **Oversee development and update of Functional Concept(s)**
- **Ensure integrated architectures reflect the functional area**
- **Leverage full resources of the Department**

Oversight Body Comparison

Joint Requirements Panel (JRP)

- Services
- DIA Representative (Intelligence Supportability)

Functional Capabilities Board (FCB)

- Services
- Combatant Commanders
- USD (AT&L)
- USD (I)
- USecAF (Space)
- ASD NII/ DOD CIO
- USD (C)
- D, PA&E
- DIA Representative (Intelligence Supportability)
- Mission Requirements Board

Joint Requirements Board (JRB) → **Joint Capabilities Board (JCB)**

Joint Requirements Oversight Council (JROC) → **Joint Requirements Oversight Council (JROC)**

JCIDS Staffing/Approval Process

JCIDS Documents

GateKeeper

JROC Interest
All ACAT 1/1A programs and programs designated as JROC Interest

Joint Integration
ACAT 11 ands below that need interoperability/intel/munitions certification

Independent
No joint force affect or need for certification

Certification Staffing

Sponsor Validates & Approves

O-6 & Flag Staffing

Appropriate MDA Co-Chairs FCB

Functional Capability Boards

Services
CoCom Reps
USD (AT&L)
USD (I)
USecAF (Space)
ASD NII/ DOD CIO
D, PA&E
DIA Rep (Intel Supportability)
Mission Review Board Exec Sec'y
Other DoD Agencies as

JROC Interest

Joint *Capabilities* Board & JROC

Conclusions on JCIDS

- **Provides an enhanced methodology to identify and describe capabilities gaps and redundancies**
- **Helps to prioritize capability proposals**
- **Facilitates broad review of capability proposals independent of ACAT (Acquisition Category)**
- **Engages the acquisition community early**
- **Improves the identification of non-materiel alternatives**
- **Improves collaboration with other departments and agencies**

BACKUPS

JCIDS Documents

- **Initial Capabilities Document (ICD)**
  - **Identifies a capability gap or other deficiency**
  - **Describes evaluation of DOTMLPF approaches**
  - **Supports AoA, Concept Refinement and Milestone A**
  - **Not normally updated once approved**
- **Capability Development Document (CDD)**
  - **Identifies operational performance attributes of proposed system**
  - **System specific, applies to single increment (in an evolutionary program)**
  - **Results from Technology Development and supports Milestone B**
  - **Updated or rewritten for subsequent increments**
- **Capability Production Document (CPD)**
  - **Identifies production attributes for a single increment of a program**
  - **Prepared during System Development and Demonstration**